

09/818,447

MS158546.1/MSFTP203US

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A system for communicating over a protocol, comprising:
a class factory that selects a protocol object creator that produces an object associated with a protocol for communicating over a network, comprising:
a plurality of identifiers; and
at least one registered protocol object creator associated with at least one of the plurality of identifiers, the at least one registered protocol object creator ~~adapted to~~ creates ~~create~~ at least one protocol object.
2. (Original) The system of claim 1, comprising:
a reading component adapted to read a first data from a resource, the first data having at least one of, a format specific to the protocol and one or more headers and/or footers specific to the protocol when it is read from the resource; and
a writing component adapted to write a second data to the resource, the second data having at least one of, a format specific to the protocol and one or more headers and/or footers specific to the protocol when it is written to the resource.
3. (Original) The system of claim 2, wherein the resource is at least one of, a service, an application and a content source, the resource being accessible over a network.
4. (Previously Presented) The system of claim 2, wherein the protocol is at least one of a Hypertext Transfer Protocol (HTTP), a File Transfer Protocol (FTP) and a Simple Mail Transport Protocol (SMTP).

09/818,447

MS158546.1/MSFTP203US

5. (Original) The system of claim 2, wherein the plurality of identifiers comprise one or more Uniform Resource Identifiers (URIs).
6. (Original) The system of claim 2, wherein the plurality of identifiers comprise one or more prefixes associated with one or more URIs.
7. (Original) The system of claim 1, wherein the at least one protocol object creator instantiates the at least one protocol object, and wherein the protocol object creator is software in execution.
8. (Original) The system of claim 7, wherein the at least one protocol object creator registers one or more implemented creating methods with the class factory, the creating methods being defined in an abstract base class and implemented by the at least one protocol object.
9. (Original) The system of claim 8, wherein the at least one or more protocol object inherits from one or more abstract base classes.
10. (Original) The system of claim 2, wherein the at least one protocol object is adapted to read the first data from the resource.
11. (Original) The system of claim 10, wherein the at least one protocol object makes the data read from the resource available as a byte stream.
12. (Original) The system of claim 11, wherein the at least one protocol object removes at least one of a format specific to the protocol and one or more headers and/or footers specific to the protocol from the first data.
13. (Original) The system of claim 12, wherein the at least one protocol object is adapted to write the second data to the resource.

09/818,447

MS158546.1/MSFTP203US

14. (Original) The system of claim 13, wherein the at least one protocol object accepts a byte stream to write as the second data to the resource.
15. (Original) The system of claim 14, wherein the at least one protocol object adds at least one of a format specific to the protocol and one or more headers and/or footers specific to the protocol to the second data.
16. (Original): The system of claim 1 comprising:
an adding component adapted to add one or more identifiers to a list of registered identifiers and further adapted to add one or more protocol object creating methods to a list of registered protocol object creating methods.
- 17-28. (Cancelled)
29. (Currently Amended) A system for communicating over a protocol, comprising:
a class factory that selects a protocol object creator that produces an object associated with a protocol comprising:
a plurality of identifiers, where the identifiers are URIs; and
at least one registered protocol object creator, the at least one registered protocol object creator adapted to create at least one protocol object;
at least one protocol object comprising:
a reader adapted to read a first data from a resource, where the first data has formatting specific to the protocol when the first data is read from the resource, where the protocol is at least one of a Hypertext Transfer Protocol (HTTP), a File Transfer Protocol (FTP) and a Simple Mail Transport Protocol (SMTP), where the resource is at least one of a service, an application and a content source, and where the resource is accessible over a network; and
a writer adapted to write a second data to the resource, where the second data has formatting specific to the protocol when the second data is written to the resource.

09/818,447

MS158546.1/MSFTP203US

30. (Currently Amended) A system that facilitates communication via a protocol, comprising:
- an a computer-implemented object generator that creates one or more protocol objects associated with one or more protocols; and
 - a protocol object selection component that selects a protocol object based at least in part on information associated with an identity of at least one resource with which the system is attempting to communicate and a protocol employed by the at least one resource.
31. (Previously Presented) The system of claim 30, further comprising a reading component that reads a first data set, the first data set comprises information related to at least one of a format and a header specific to a first protocol associated with the first data set when read from a first resource.
32. (Previously Presented) The system of claim 31, further comprising a writing component that generates a second data set and transmits the second data set to a second data source, the second data set comprises information associated with at least one of a format and a header specific to a second protocol associated with the second resource.
33. (Previously Presented) The system of claim 32, the first and second protocols are dissimilar protocols.
34. (Previously Presented) The system of claim 30, the one or more protocols is at least one of a Hypertext Transfer Protocol (HTTP), a File Transfer Protocol (FTP), and a Simple Mail Transport Protocol (SMTP).
35. (Previously Presented) The system of claim 30, the information associated with the identity of a resource comprises one or more Uniform Resource Identifiers (URIs).

09/818,447MS158546.1/MSFTP203US

36. (Previously Presented) The system of claim 30, the information associated with the identity of the resource comprises one or more prefixes associated with one or more URIs.
37. (Previously Presented) The system of claim 30, the object generator is associated with one or more constructors, each constructor produces a protocol object specific to a particular protocol.
38. (Previously Presented) The system of claim 37, the protocol object reads data from a first resource, formats read data as a byte stream, and writes data to a second resource.
39. (Previously Presented) The system of claim 38, the first and second resources are the same resource.
40. (Previously Presented) The system of claim 30, the at least one resource is at least one of a service, an application, and a content source, and is available over a network.